



TYPICAL PERFORATION TECHNIQUE
FOR DRILLED AND CASED WELLS

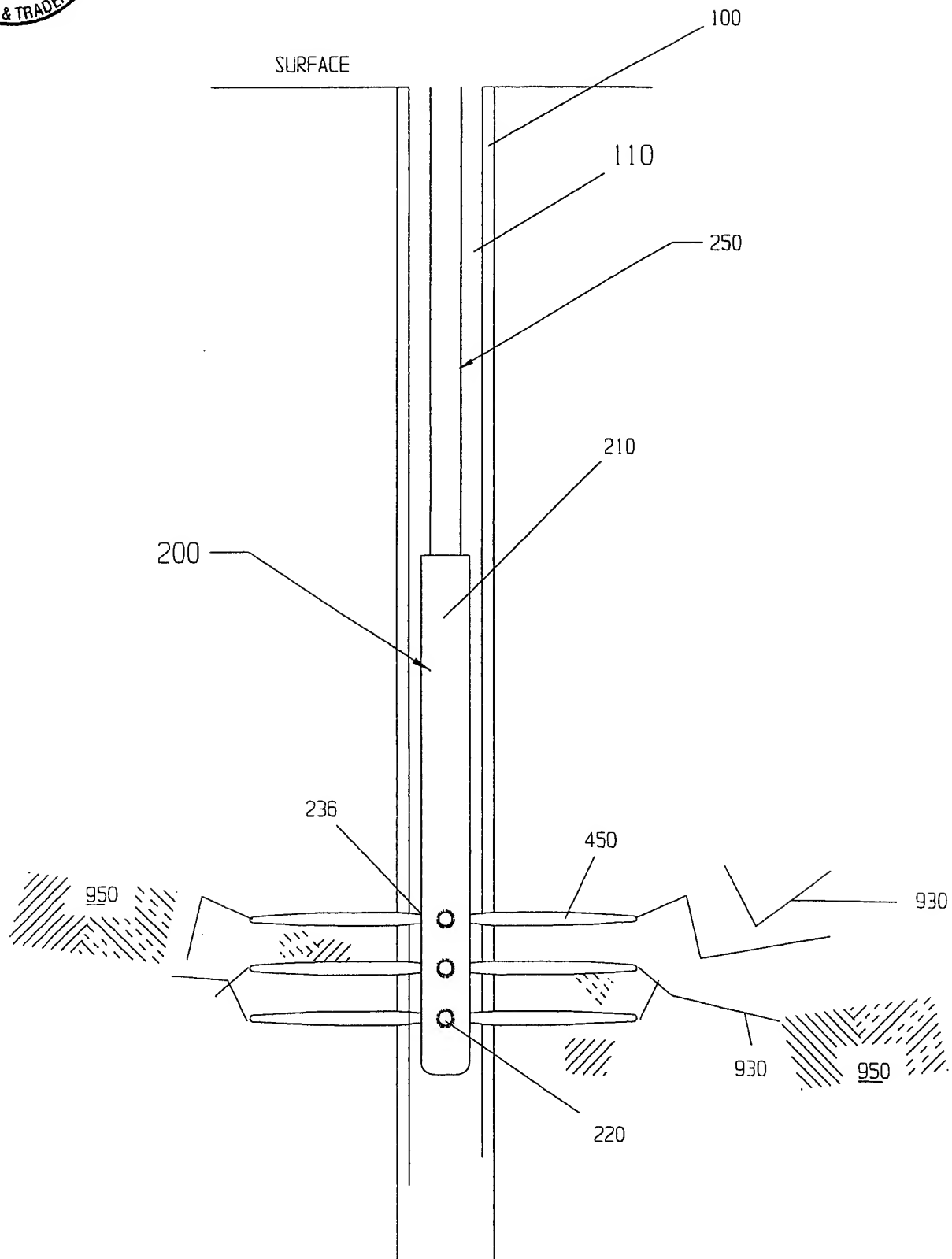


FIGURE 1

FIGURE 2

PRIOR ART

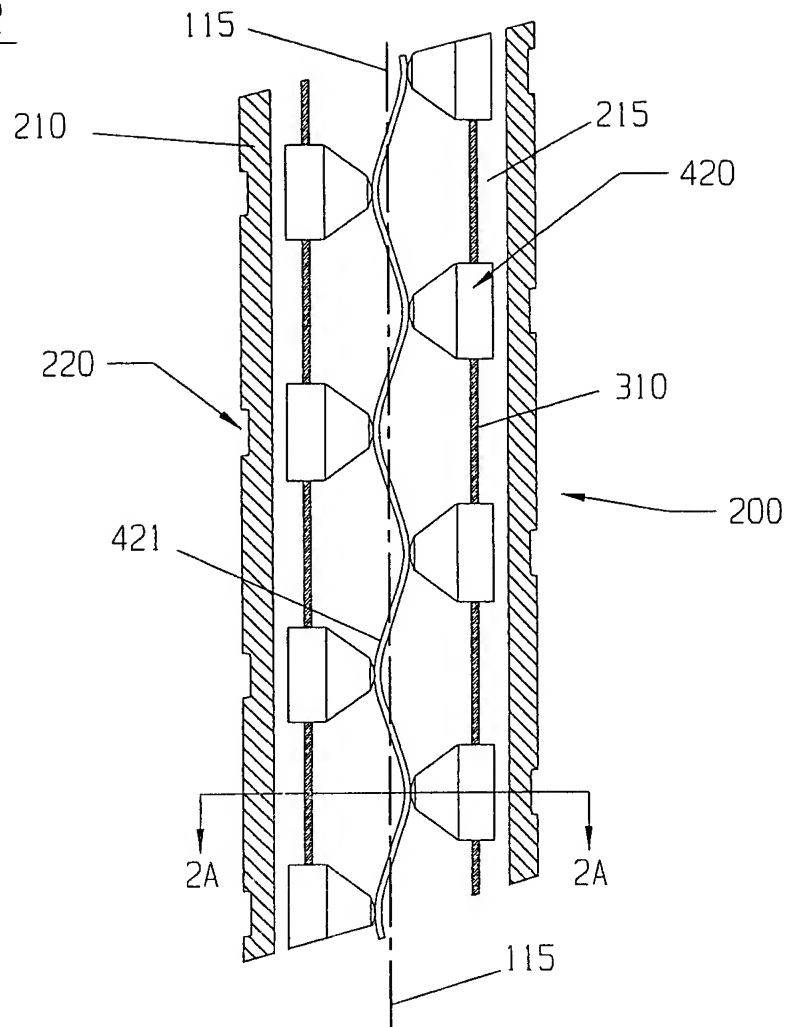
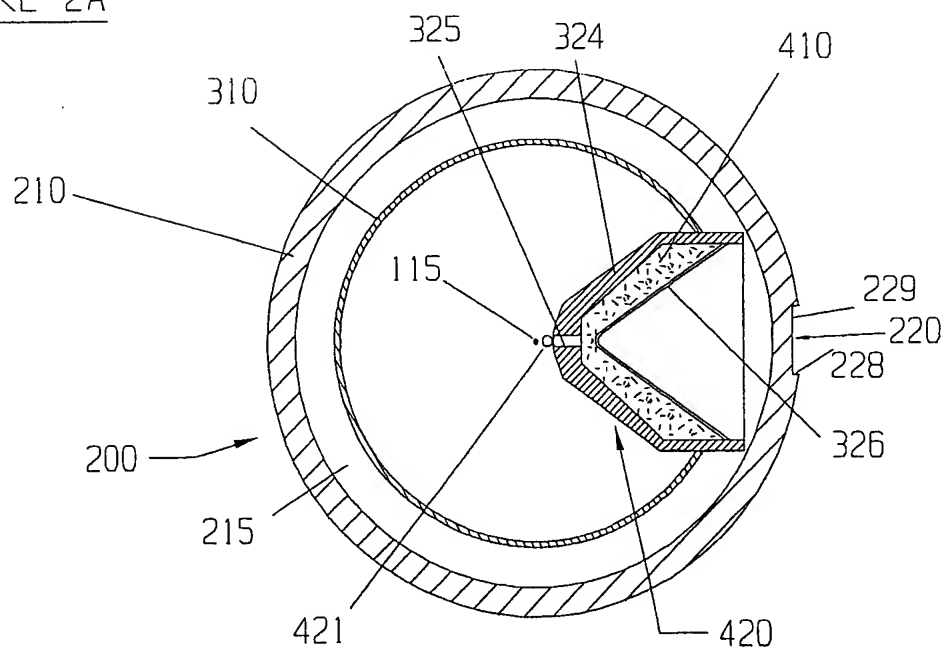
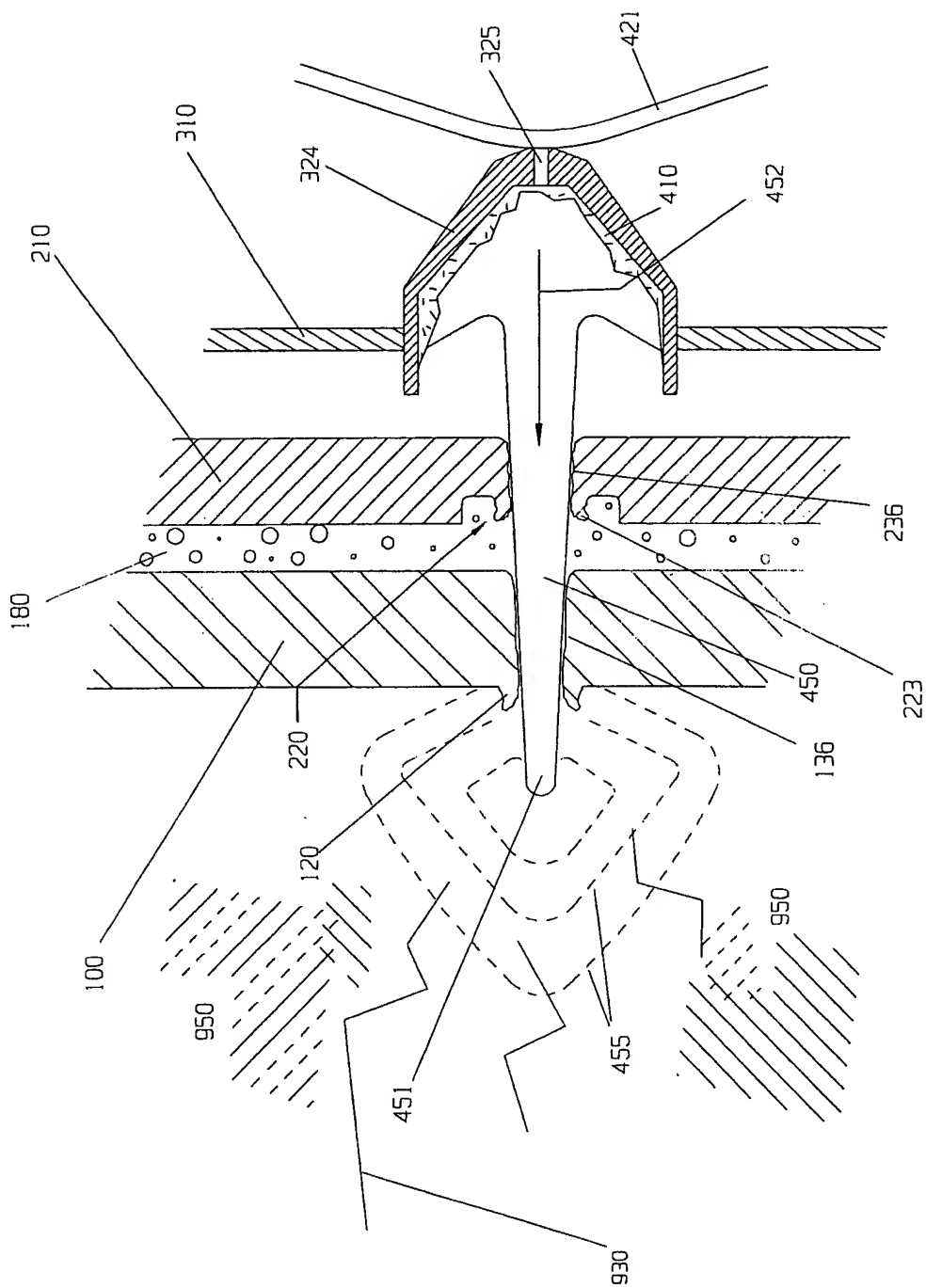
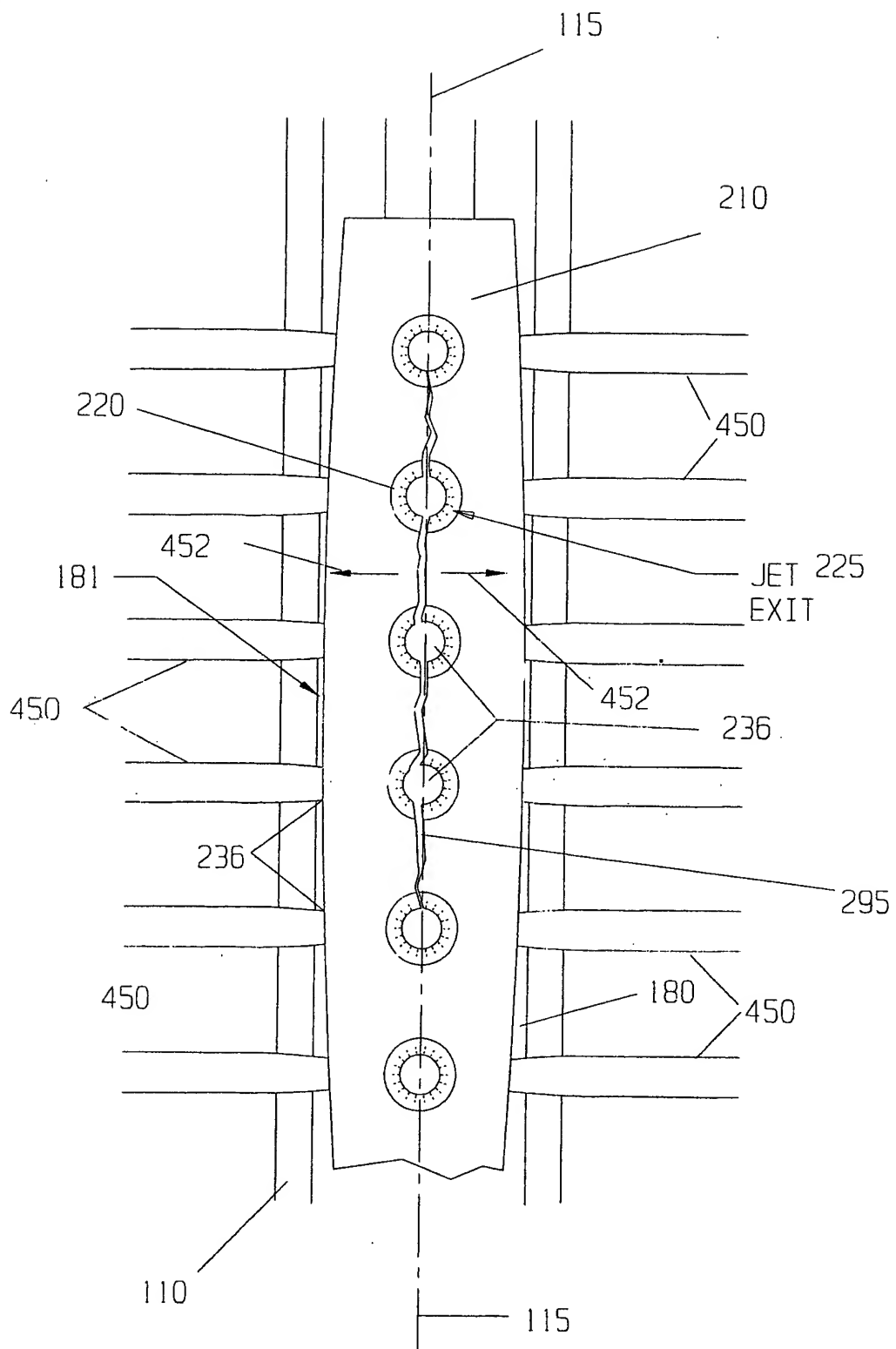
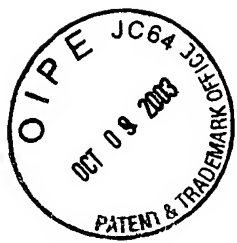


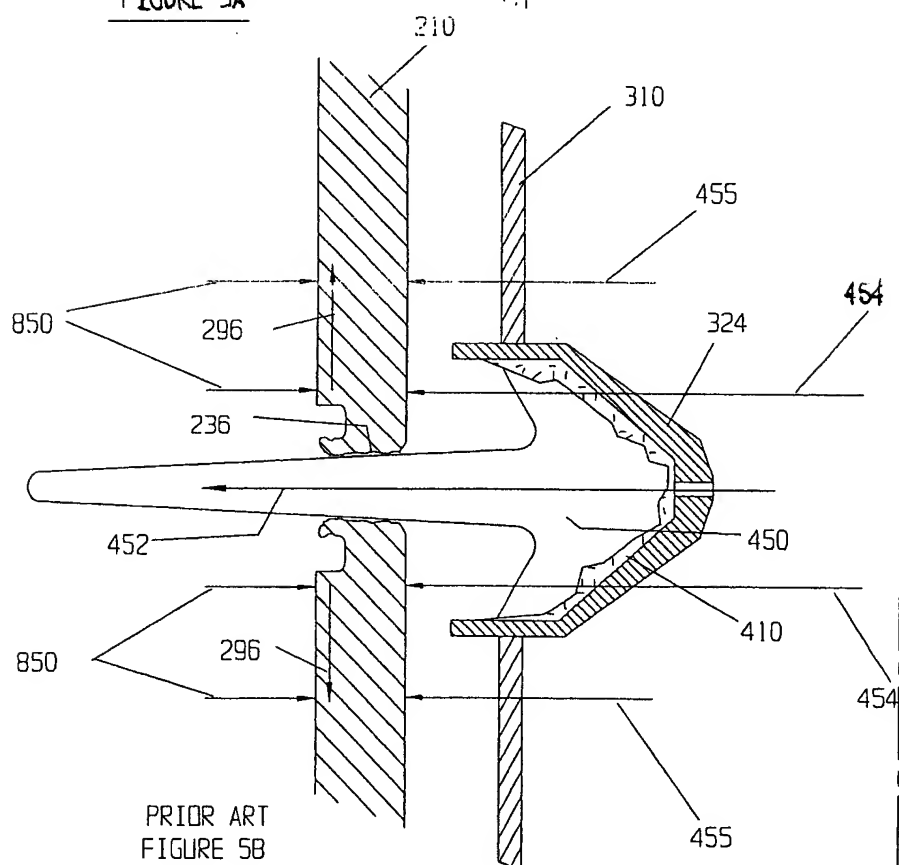
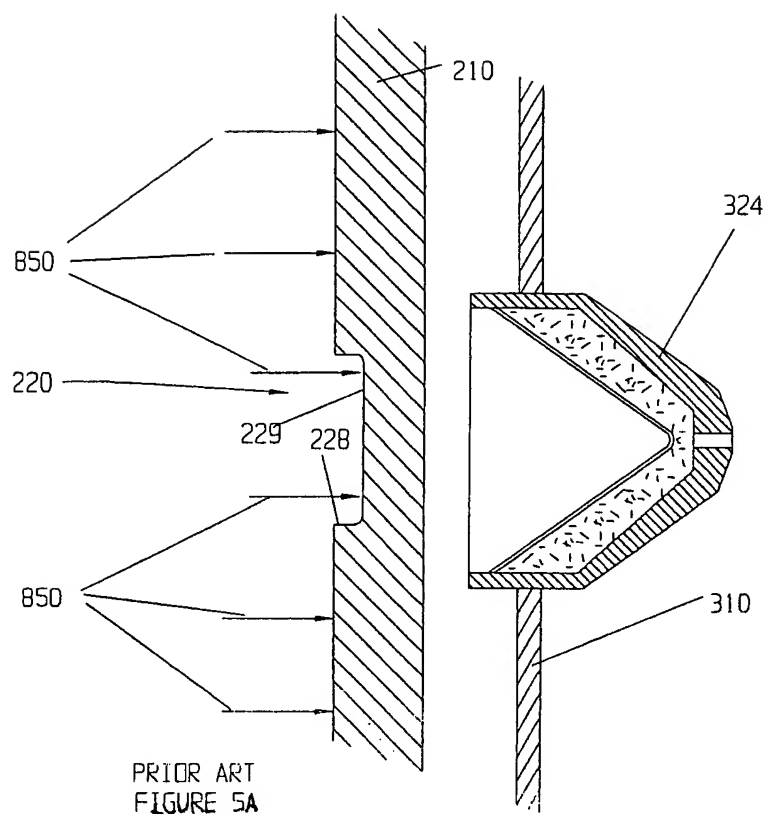
FIGURE 2A

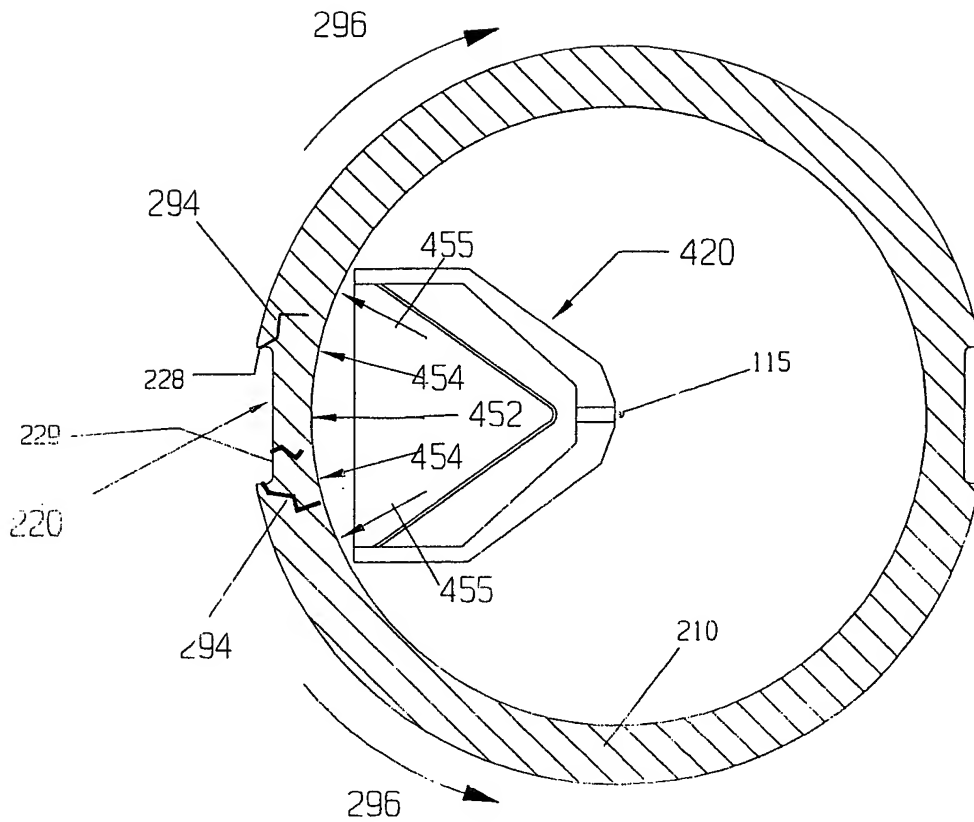






PRIOR ART
FIGURE 4





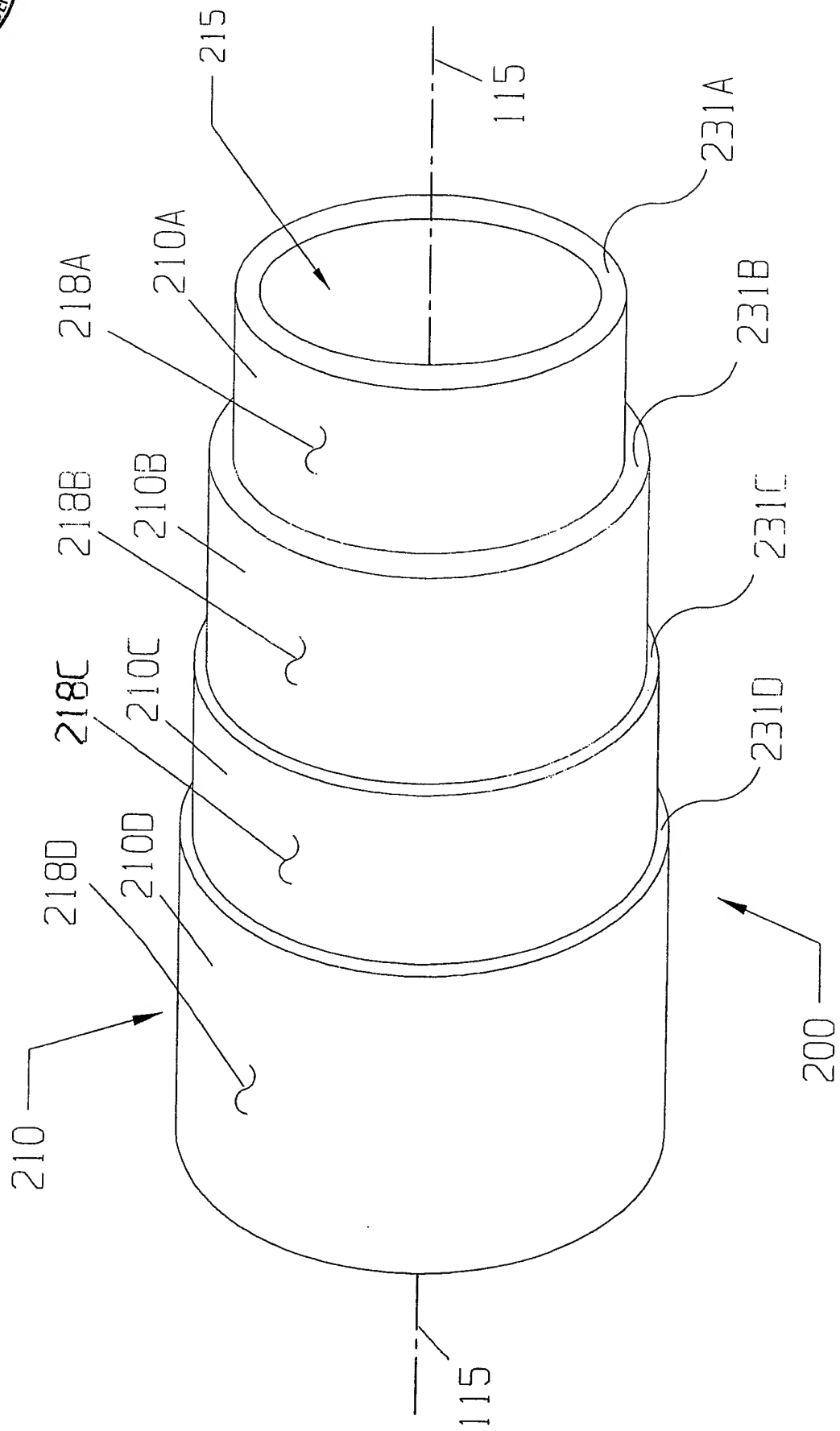
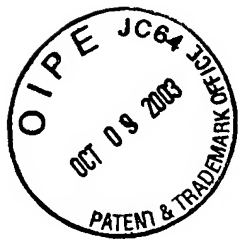


FIGURE 7

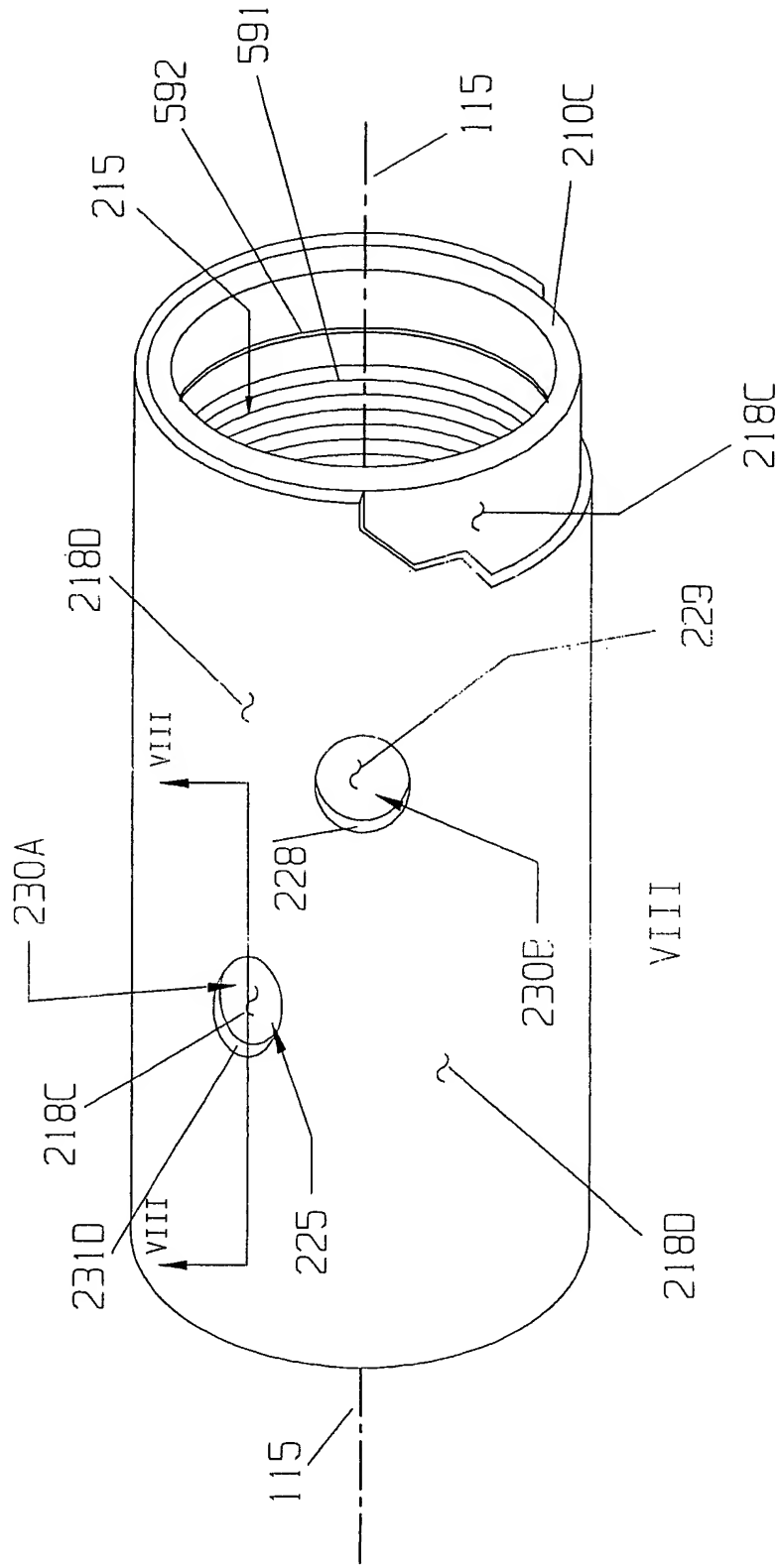


FIGURE 8

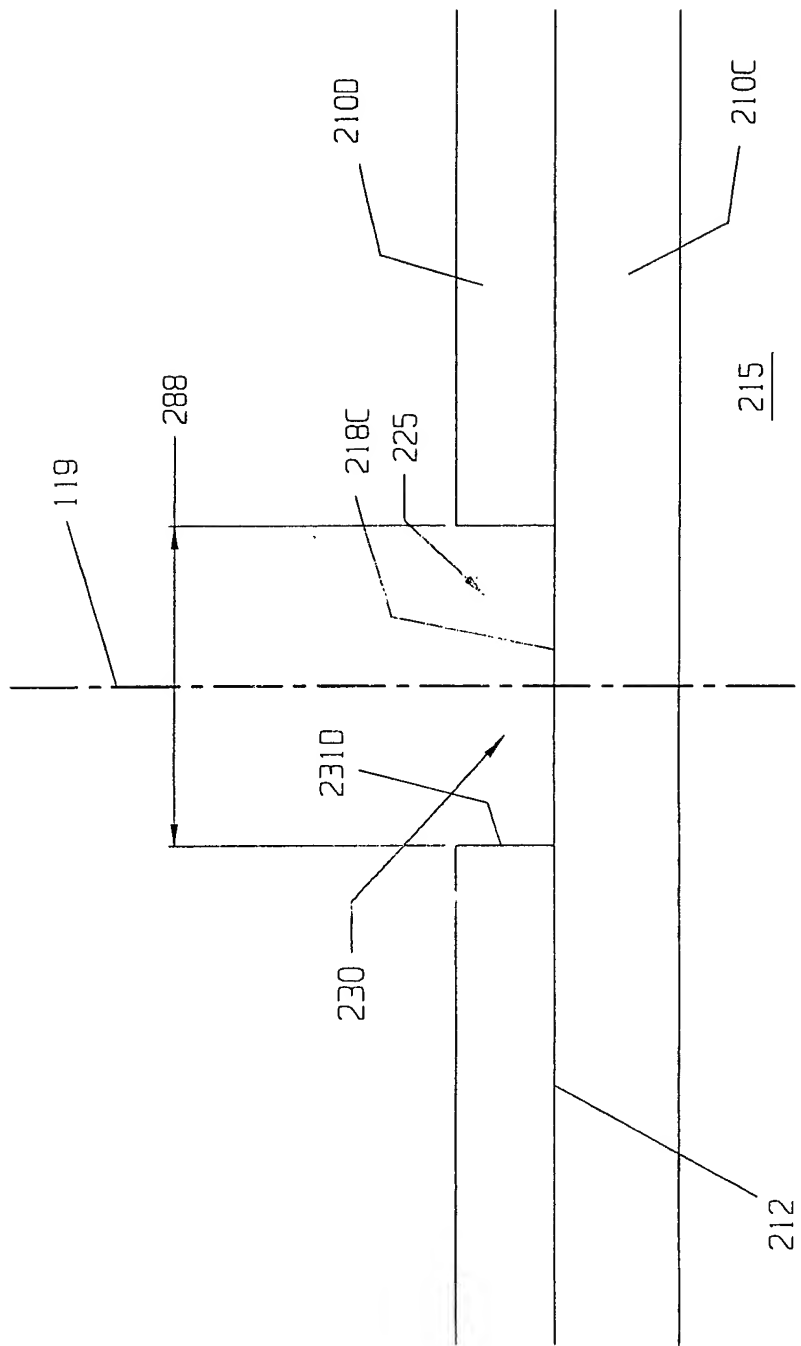
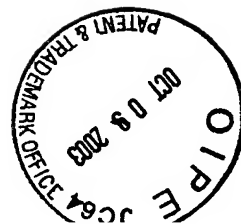


FIGURE 8A



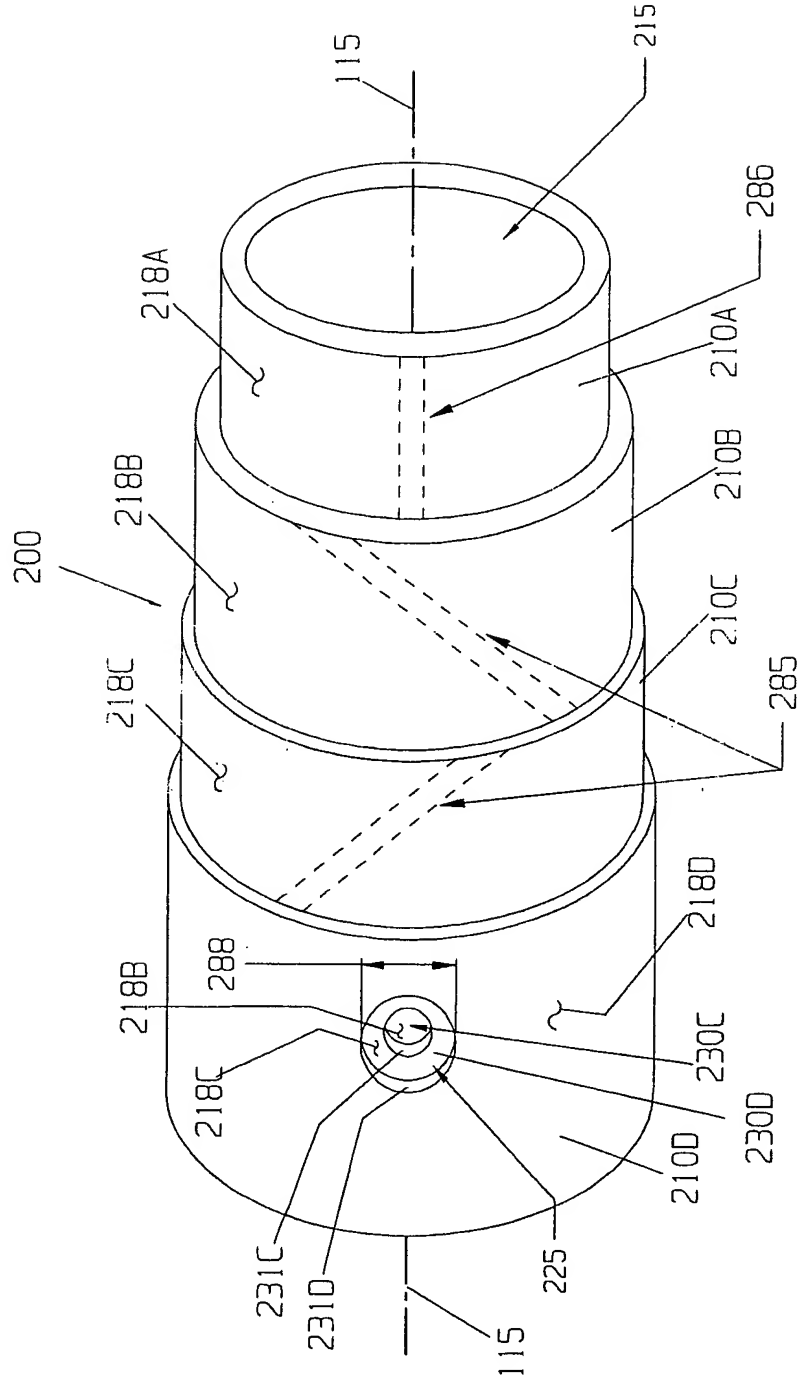


FIGURE 9

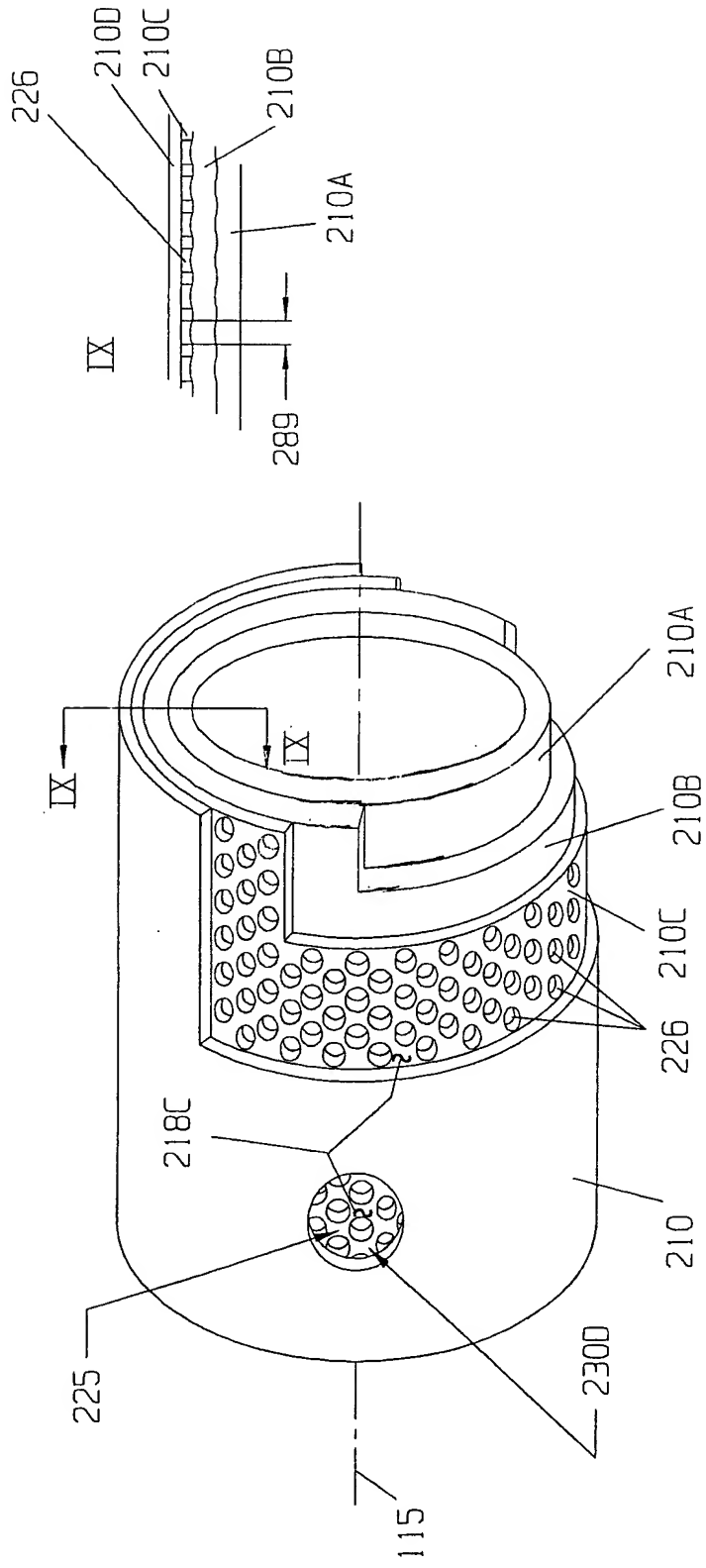


FIGURE 9A

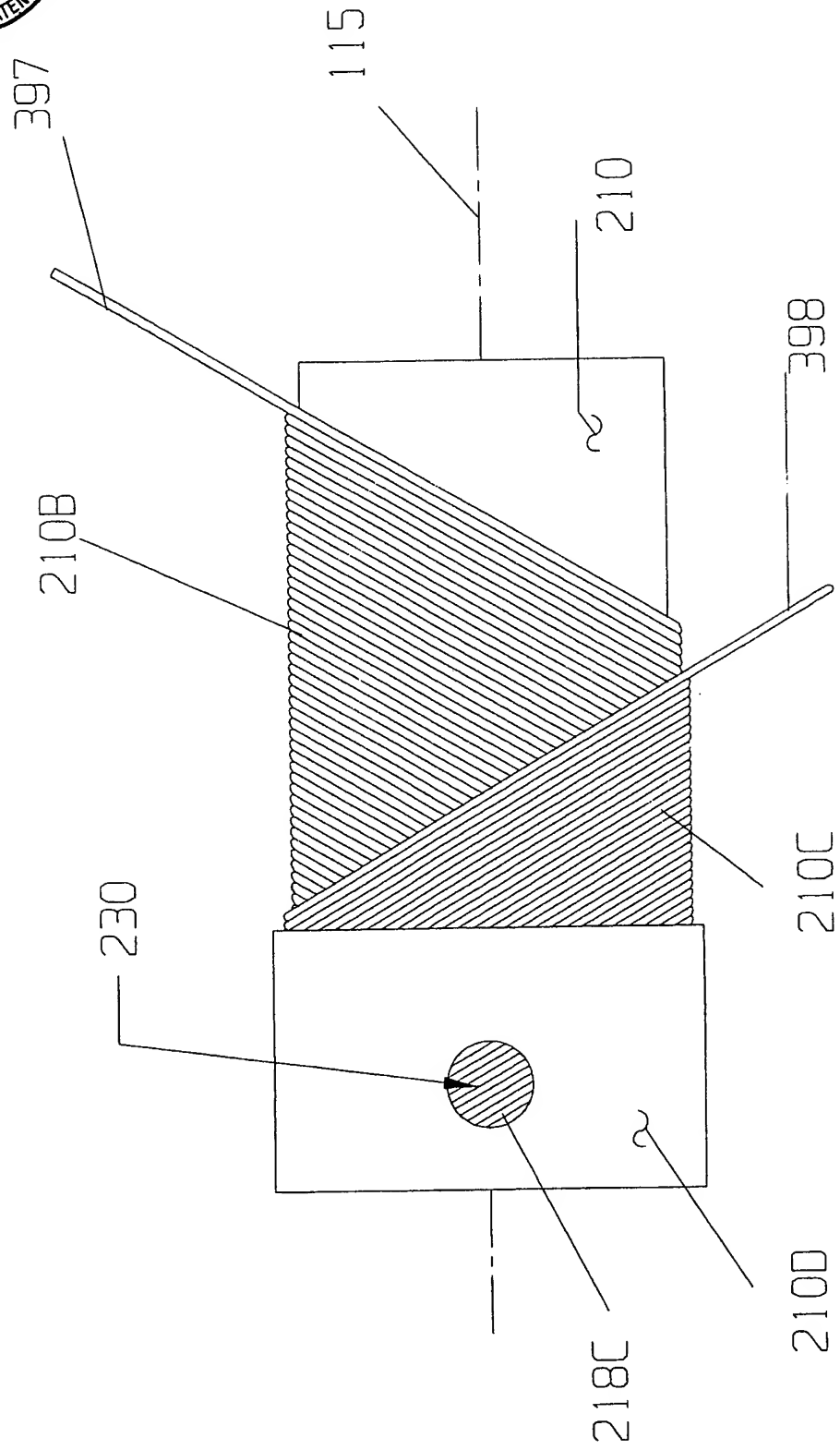


FIGURE 9B

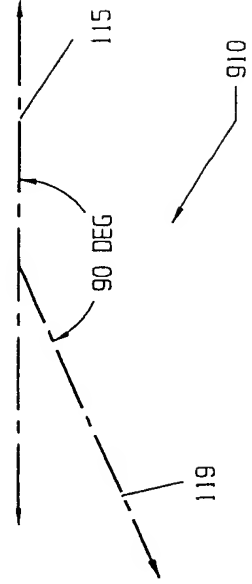
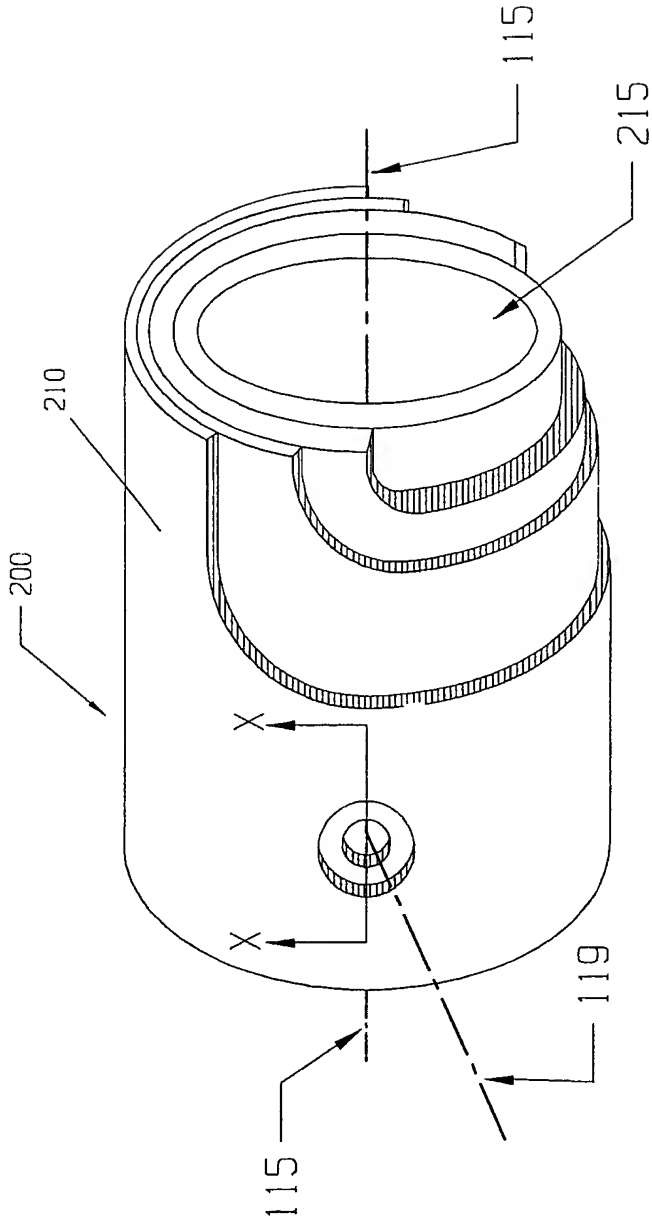
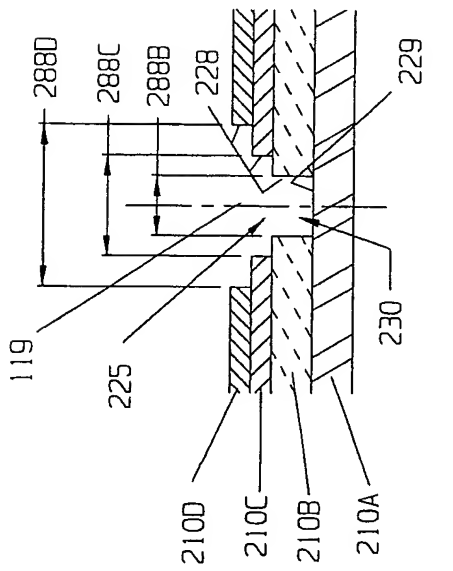
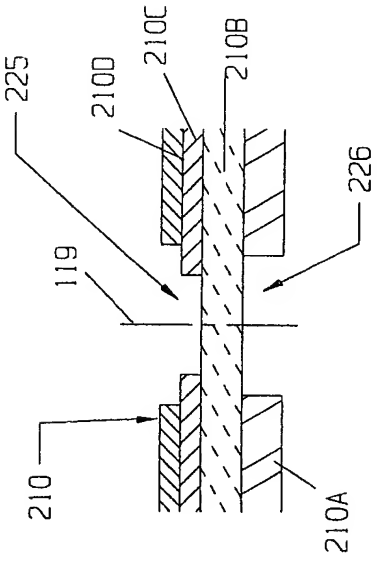


FIGURE 10



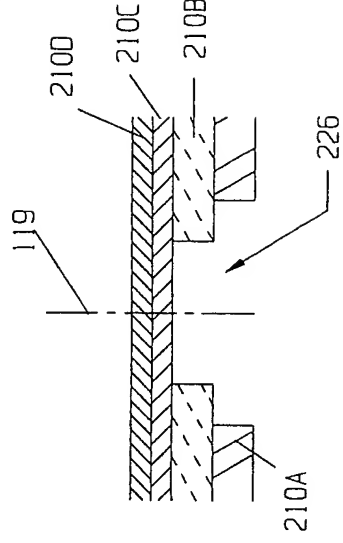
MULTIPLE O.D. RECESSES

FIGURE 10A



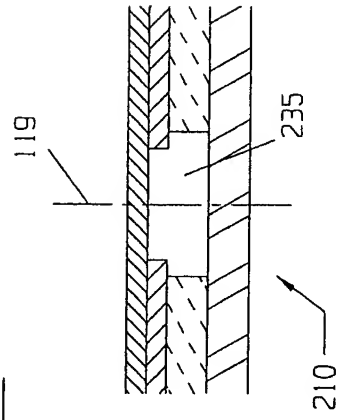
I.D. AND O.D. RECESSES

FIGURE 10B



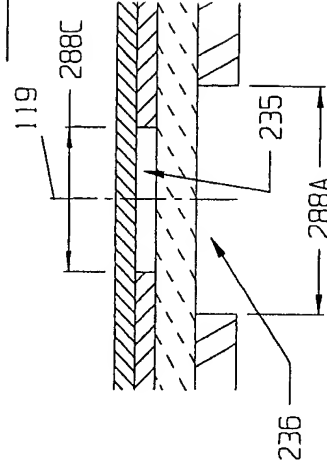
MULTIPLE I.D. RECESSES

FIGURE 10C



INTERNAL RECESSES

FIGURE 10D



COMBINATION RECESSES

FIGURE 10E

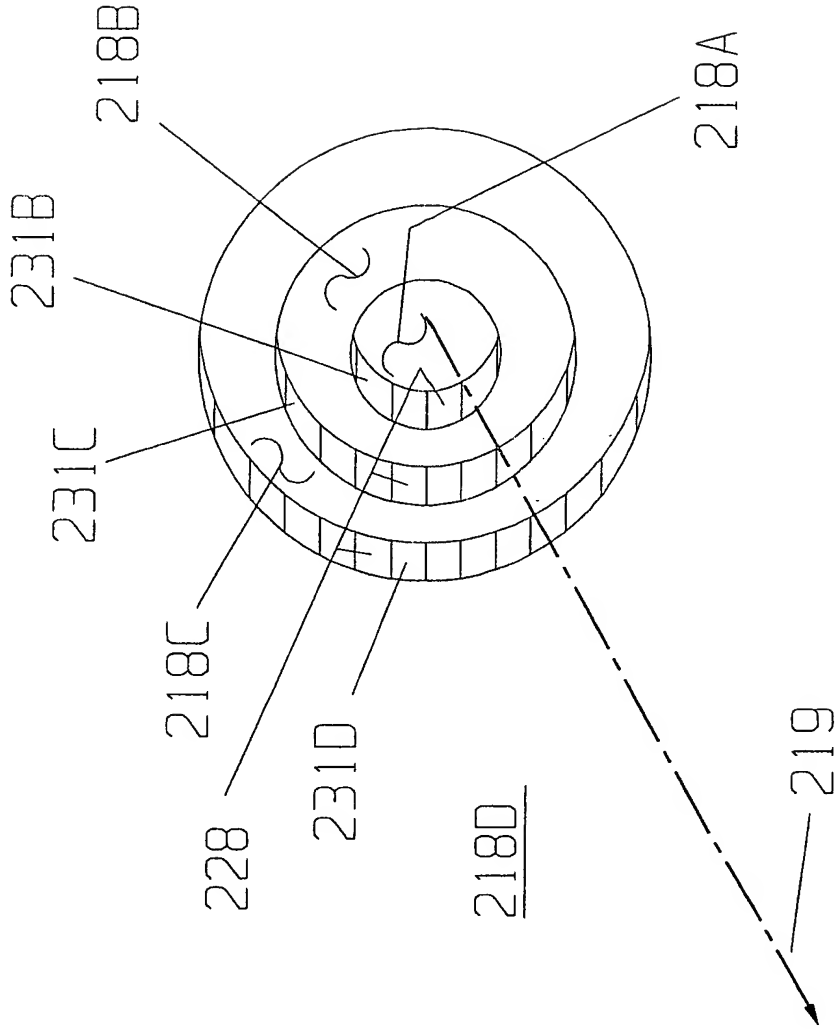


FIGURE 10F

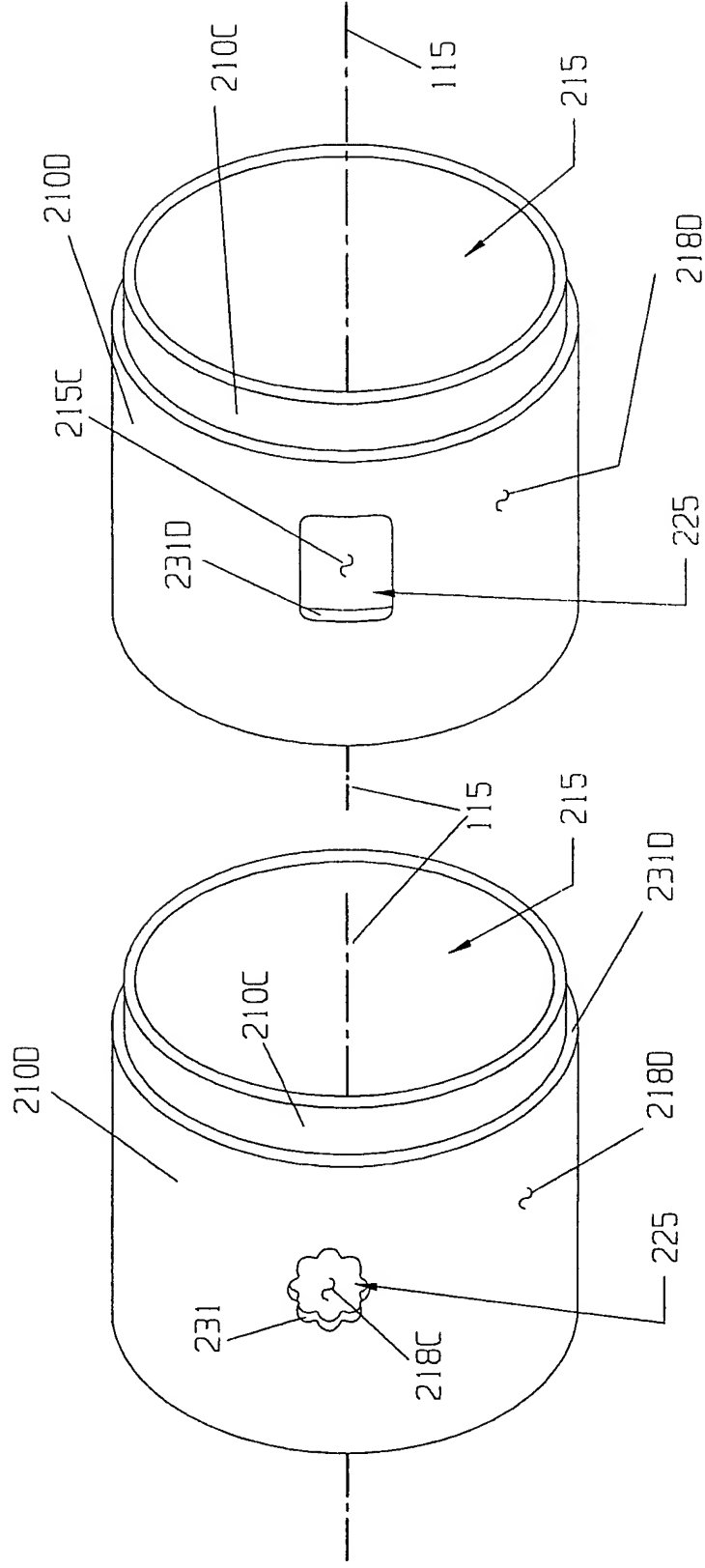


FIGURE 11

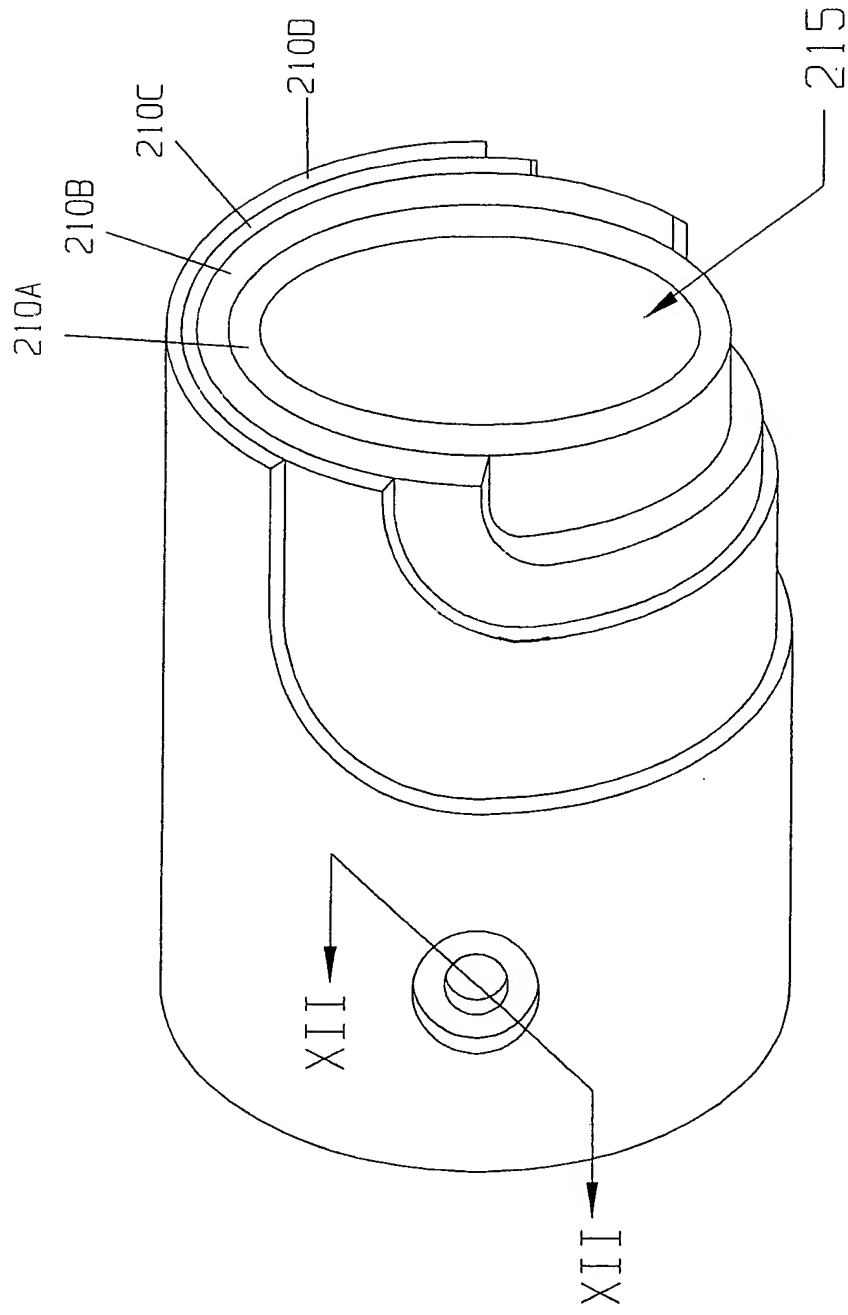


FIGURE 12

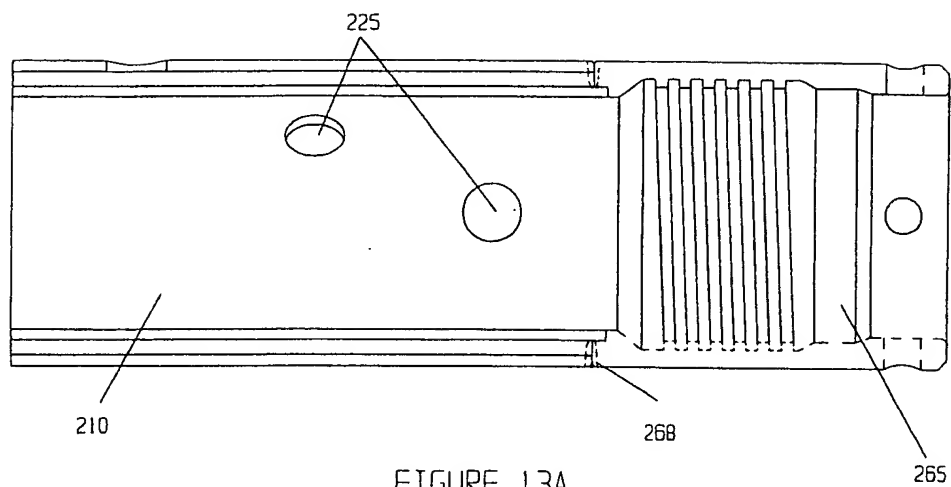
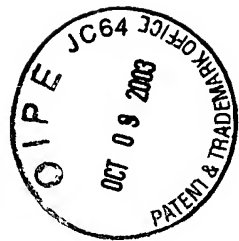


FIGURE 13A

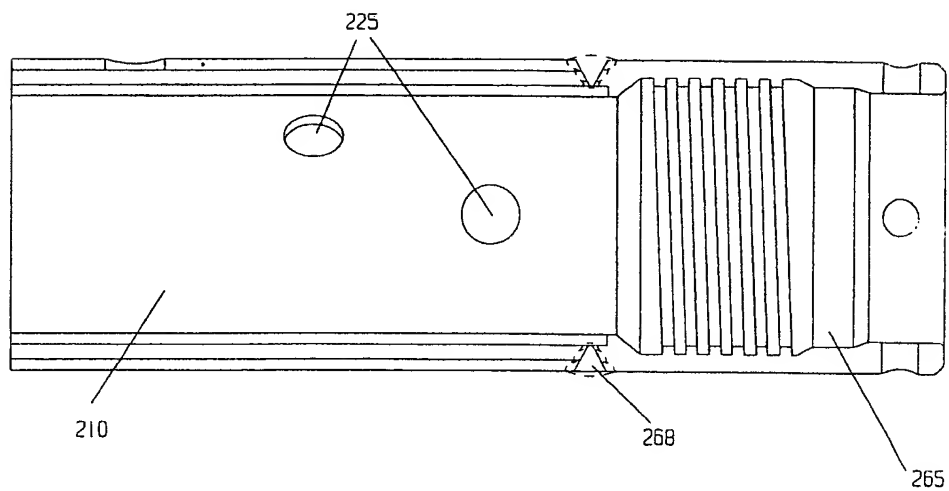


FIGURE 13B